

STUDIES IN THE EUPATORIEAE (ASTERACEAE). CCVII.

ADDITIONAL NEW COMBINATIONS

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The preparation of a nomenclator for the Eupatorieae has shown the need for a number of combinations overlooked in the previous studies in this series. The transfers are validated here with minimal notes where well-known names fall into synonymy.

AGERATINA CARMONIS (Standl. & Steyerem.) R. M. King & H. Robinson, comb. nov. *Eupatorium carmonis* Standl. & Steyerem., Publ. Field Mus. Nat. Hist. Chic. Bot. 22: 303. 1940.

AGERATINA REMYANA (Phil.) R. M. King & H. Robinson, comb. nov. *Eupatorium remyanum* Phil., Fl. Atacam. 29. 1860.

AGERATINA VISCOSSIMA (Rolfe) R. M. King & H. Robinson, comb. nov. *Eupatorium viscosimum* Rolfe, Gard. Chron. ser. 3, 39: 274. 1906.

AUSTROEUPATORIUM ROSMARINACEUM (Cabrera & Vittet) R. M. King & H. Robinson, comb. nov. *Eupatorium rosmarinaceum* Cabrera & Vittet, Sellowia 15: 195. 1963.

AYAPANOPSIS OBLONGIFOLIA (Gardn.) R. M. King & H. Robinson, comb. nov. *Bolbostylis oblongifolia* Gardn., Lond. J. Bot. 5: 469. 1846.

BARROSOA CONFLUENTIS (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Eupatorium confluentis* B. L. Robinson, Contrib. Gray Herb. n.s. 77: 11. 1926.

BARTLETTINA MACROMERIS (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Eupatorium macromeris* B. L. Robinson, Contrib. Gray Herb. n.s. 68: 24. 1923.

CAMPOVASSOURIA CRUCIATA (Vellozo) R. M. King & H. Robinson, comb. nov. *Chrysocoma cruciata* Vellozo, Fl. Flum. 306. 1825. The Vellozo name has priority for the species commonly known as *Eupatorium bupleurifolium* DC. The Vellozo drawing shows the densely foliate form that is restricted to southern Brasil.

- CHROMOLAENA ANGUSTICEPS (Malme) R. M. King & H. Robinson, comb. nov. *Eupatorium angusticeps* Malme, Arkiv Bot. (Stockh.). 24A (6): 25. 1932.
- CHROMOLAENA CALDENSIS (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Eupatorium caldense* B. L. Robinson, Contrib. Gray Herb. n.s. 73: 7. 1924.
- CHROMOLAENA COSTATIPES (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Eupatorium costatipes* B. L. Robinson, Contrib. Gray Herb. n.s. 68: 12. 1923.
- CHROMOLAENA DESMOCEPHALA (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Eupatorium desmocephalum* B. L. Robinson, Contrib. Gray Herb. n.s. 68: 14. 1923.
- CHROMOLAENA FERRUGINEA R. M. King & H. Robinson, nom. nov. *Eupatorium ferrugineum* Gardn., Lond. J. Bot. 6: 442. 1847. non Labill.
- CHROMOLAENA HYPODICTYA (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Eupatorium hypodictyon* B. L. Robinson, Proc. Bost. Soc. Nat. Hist. 31: 250. 1904.
- CHROMOLAENA MAXIMILIANII (Schrad. ex DC.) R. M. King & H. Robinson, comb. nov. *Eupatorium maximilianii* Schrad. ex DC., Prodr. 5: 143. 1836.
- CHROMOLAENA POROPHYLLOIDES (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Eupatorium porophylloides* B. L. Robinson, Contrib. Gray Herb. n.s. 68: 29. 1923.
- CHROMOLAENA RIGIDA (Swartz) R. M. King & H. Robinson, comb. nov. *Eupatorium rigidum* Swartz, Prodr. Veg. Ind. Occ. 111. 1788.
- CHROMOLAENA SERRATULOIDES (H.B.K.) R. M. King & H. Robinson, comb. nov. *Eupatorium serratuloides* H.B.K., Nov. Gen. et Sp. 4: 91. ed. folio 1818.
- CRITONIA ARACHNOIDEA (Legname) R. M. King & H. Robinson, comb. nov. *Eupatorium arachnoideum* Legname, Lilloa 35: 51. 1975.
- CRITONIA MEGAPHYLLA (Baker) R. M. King & H. Robinson, comb. nov. *Eupatorium megaphyllum* Baker in Martius, Fl. Bras. 6 (2): 322. 1876.
- CRONQUISTIANTHUS BULLIFERUS (Blake) R. M. King & H. Robinson, comb. nov. *Eupatorium bulliferum* Blake, Rhodora 43: 558. 1941. The name was provided by Blake for *Eupatorium rugosum* H.B.K. not Houtt.

- FLEISCHMANNIA ANTIQUORUM (Standl. & Steyerm.) R. M. King & H. Robinson, comb. nov. *Eupatorium antiquorum* Standl. & Steyerm., Publ. Field Mus. Nat. Hist. Chic. Bot. 22: 302. 1940.
- FLEISCHMANNIA PASTAZAE (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Eupatorium pastazae* B. L. Robinson, Biblioth. Bot. 29: 160 Heft. 116. 1937.
- FLEISCHMANNIA SAXORUM (Standl. & Steyerm.) R. M. King & H. Robinson, comb. nov. *Eupatorium saxorum* Standl. & Steyerm., Publ. Field Mus. Nat. Hist. Chic. Bot. 23: 189. 1944.
- GRAZIELIA MOLLICOMA (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Eupatorium mollicomum* B. L. Robinson, Contrib. Gray Herb. n.s. 68: 26. 1923.
- GUAYANIA CRASSICAULIS (Steyerm.) R. M. King & H. Robinson, comb. nov. *Eupatorium crassicaule* Steyerm., Fieldiana, Bot. 28: 629, No. 3. 1953.
- HEBECLINIUM OBTUSISQUAMOSUM (Hieron. ex Sod.) R. M. King & H. Robinson, comb. nov. *Eupatorium obtusisquamosum* Hieron. ex Sod., Bot. Jahrb. 29: 14. 1900.
- HETEROCONDYLUS ALATUS (Vellozo) R. M. King & H. Robinson, comb. nov. *Chrysocoma alata* Vellozo, Fl. Flum. 313. 1825. The Vellozo name has priority for the species commonly known as *Eupatorium vautherianum* DC.
- KOANOPHYLLON GRANDICEPS (Wright) R. M. King & H. Robinson, comb. nov. *Eupatorium grandiceps* Wright, Anales Acad. Ci. Med. Habana 6: 178. 1869. Sauv. Fl. Cub. 76. 1873.
- KOANOPHYLLON GRISEBACHIANUM (Alain) R. M. King & H. Robinson, comb. nov. *Eupatorium grisebachianum* Alain, Candollea 17: 121. 1960. The name was provided by Alain for *Eupatorium incisum* Griseb. not A.Rich.
- KOANOPHYLLON QUISQUEYANUM (Alain) R. M. King & H. Robinson, comb. nov. *Eupatorium quisqueyanum* Alain, Moscosoa 1 (1): 48. 1976.
- NEOCABRERIA PENNIVENIA (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Symphypappus pennivenius* B. L. Robinson, Contrib. Gray Herb. n.s. 68: 7. 1923.
- PHALACRAEA LONGIPETIOLATA (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Piqueria longipetiolata* B. L. Robinson, Proc. Amer. Acad. 43: 27. 1907.

SPHAEREUPATORIUM SPHAEROCEPHALUM (Sch.Bip. ex Baker) R. M. King
& H. Robinson, comb. nov. *Eupatorium sphaerocephalum* Sch.
Bip. ex Baker in Martius, Fl. Bras. 6 (2): 317. 1876.

STEVIOPSIS VIGINTISETA (DC.) R. M. King & H. Robinson, comb. nov.
Stevia vigintisetata DC., Prodr. 5: 123. 1836.

One species transferred to the tribe Inuleae also needs a new
combination:

IPHIONA RETOFRACTA (Thunb.) H. Robinson, comb. nov. *Eupatorium
retrofractum* Thunb., Prodr. Pl. Cap. 142. 1800.